

Preaward Compliance Review Report for All Applicants and Recipients Requesting EPA Financial Assistance

Note: Read Instructions before completing form.

I. A. Applicant/Recipient (Name, Address, City, State, Zip Code)

Name:

Address:

City:

State: Zip Code:

B. DUNS No.

II. Is the applicant currently receiving EPA Assistance? ☒ Yes ☐ No

III. List all civil rights lawsuits and administrative complaints pending against the applicant/recipient that allege discrimination based on race, color, national origin, sex, age, or disability. (Do not include employment complaints not covered by 40 C.F.R. Parts 5 and 7.)

IV. List all civil rights lawsuits and administrative complaints decided against the applicant/recipient within the last year that allege discrimination based on race, color, national origin, sex, age, or disability and enclose a copy of all decisions. Please describe all corrective actions taken. (Do not include employment complaints not covered by 40 C.F.R. Parts 5 and 7.)

V. List all civil rights compliance reviews of the applicant/recipient conducted by any agency within the last two years and enclose a copy of the review and any decisions, orders, or agreements based on the review. Please describe any corrective action taken. (40 C.F.R. § 7.80(c)(3))

VI. Is the applicant requesting EPA assistance for new construction? If no, proceed to VII; if yes, answer (a) and/or (b) below.

☐ Yes ☒ No

a. If the grant is for new construction, will all new facilities or alterations to existing facilities be designed and constructed to be readily accessible to and usable by persons with disabilities? If yes, proceed to VII; if no, proceed to VI(b).

☐ Yes ☐ No

b. If the grant is for new construction and the new facilities or alterations to existing facilities will not be readily accessible to and usable by persons with disabilities, explain how a regulatory exception (40 C.F.R. 7.70) applies.

VII. Does the applicant/recipient provide initial and continuing notice that it does not discriminate on the basis of race, color, national origin, sex, age, or disability in its program or activities? (40 C.F.R. 5.140 and 7.95)

☒ Yes ☐ No

a. Do the methods of notice accommodate those with impaired vision or hearing?

☒ Yes ☐ No

b. Is the notice posted in a prominent place in the applicant's offices or facilities or, for education programs and activities, in appropriate periodicals and other written communications?

☒ Yes ☐ No

c. Does the notice identify a designated civil rights coordinator?

☒ Yes ☐ No

VIII. Does the applicant/recipient maintain demographic data on the race, color, national origin, sex, age, or handicap of the population it serves? (40 C.F.R. 7.85(a))

☐ Yes ☒ No

IX. Does the applicant/recipient have a policy/procedure for providing access to services for persons with limited English proficiency? (40 C.F.R. Part 7, E.O. 13166)

☒ Yes ☐ No

- X. If the applicant is an education program or activity, or has 15 or more employees, has it designated an employee to coordinate its compliance with 40 C.F.R. Parts 5 and 7? Provide the name, title, position, mailing address, e-mail address, fax number, and telephone number of the designated coordinator.**

Sara Kinjo-Hischer, Tribal Administrator, P.O.Box 1157, Skagway, Ak 99840, sara@skagwaytraditional.org, 907-983-3068 (fax), 907-983-4068 (phone): may also contact tribal council which is listed on our webpage.

- XI. If the applicant is an education program or activity, or has 15 or more employees, has it adopted grievance procedures that assure the prompt and fair resolution of complaints that allege a violation of 40 C.F.R. Parts 5 and 7? Provide a legal citation or Internet Address for, or a copy of, the procedures.**

Yes. We have a policy related to grievances.

For the Applicant/Recipient

I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law. I assure that I will fully comply with all applicable civil rights statutes and EPA regulations.

A. Signature of Authorized Official

Sara Kinjo-Hischer

B. Title of Authorized Official

Tribal Administrator

C. Date

03/25/2022

For the U.S. Environmental Protection Agency

I have reviewed the information provided by the applicant/recipient and hereby certify that the applicant/recipient has submitted all preaward compliance information required by 40 C.F.R. Parts 5 and 7; that based on the information submitted, this application satisfies the preaward provisions of 40 C.F.R. Parts 5 and 7; and that the applicant has given assurance that it will fully comply with all applicable civil rights statutes and EPA regulations.

A. *Signature of Authorized EPA Official

B. Title of Authorized Official

C. Date

*** See Instructions**

Instructions for EPA FORM 4700-4 (Rev. 06/2014)

General. Recipients of Federal financial assistance from the U.S. Environmental Protection Agency must comply with the following statutes and regulations.

Title VI of the Civil Rights Acts of 1964 provides that no person in the United States shall, on the grounds of race, color, or national origin, be excluded from participation in, be denied the benefits of, or be subjected to discrimination under any program or activity receiving Federal financial assistance. The Act goes on to explain that the statute shall not be construed to authorize action with respect to any employment practice of any employer, employment agency, or labor organization (except where the primary objective of the Federal financial assistance is to provide employment). Section 13 of the 1972 Amendments to the Federal Water Pollution Control Act provides that no person in the United States shall on the ground of sex, be excluded from participation in, be denied the benefits of, or be subjected to discrimination under the Federal Water Pollution Control Act, as amended. Employment discrimination on the basis of sex is prohibited in all such programs or activities. Section 504 of the Rehabilitation Act of 1973 provides that no otherwise qualified individual with a disability in the United States shall solely by reason of disability be excluded from participation in, be denied the benefits of, or be subjected to discrimination under any program or activity receiving Federal financial assistance. Employment discrimination on the basis of disability is prohibited in all such programs or activities. The Age Discrimination Act of 1975 provides that no person on the basis of age shall be excluded from participation under any program or activity receiving Federal financial assistance. Employment discrimination is not covered. Age discrimination in employment is prohibited by the Age Discrimination in Employment Act administered by the Equal Employment Opportunity Commission. Title IX of the Education Amendments of 1972 provides that no person in the United States on the basis of sex shall be excluded from participation in, be denied the benefits of, or be subjected to discrimination under any education program or activity receiving Federal financial assistance. Employment discrimination on the basis of sex is prohibited in all such education programs or activities. Note: an education program or activity is not limited to only those conducted by a formal institution. 40 C.F.R. Part 5 implements Title IX of the Education Amendments of 1972. 40 C.F.R. Part 7 implements Title VI of the Civil Rights Act of 1964, Section 13 of the 1972 Amendments to the Federal Water Pollution Control Act, and Section 504 of The Rehabilitation Act of 1973. The Executive Order 13166 (E.O. 13166) entitled; "Improving Access to Services for Persons with Limited English Proficiency" requires Federal agencies work to ensure that recipients of Federal financial assistance provide meaningful access to their LEP applicants and beneficiaries.

Items "Applicant" means any entity that files an application or unsolicited proposal or otherwise requests EPA assistance. 40 C.F.R. §§ 5.105, 7.25. "Recipient" means any entity, other than applicant, which will actually receive EPA assistance. 40 C.F.R. §§ 5.105, 7.25. "Civil rights lawsuits and administrative complaints" means any lawsuit or administrative complaint alleging discrimination on the basis of race, color, national origin, sex, age, or disability pending or decided against the applicant and/or entity which actually benefits from the grant, but excluding employment complaints not covered by 40 C.F.R. Parts 5 and 7. For example, if a city is the named applicant but the grant will actually benefit the Department of Sewage, civil rights lawsuits involving both the city and the Department of Sewage should be listed. "Civil rights compliance review" means any review assessing the applicant's and/or recipient's compliance with laws prohibiting discrimination on the basis of race, color, national origin, sex, age, or disability. Submit this form with the original and required copies of applications, requests for extensions, requests for increase of funds, etc. Updates of information are all that are required after the initial application submission. If any item is not relevant to the project for which assistance is requested, write "NA" for "Not Applicable." In the event applicant is uncertain about how to answer any questions, EPA program officials should be contacted for clarification. * Note: Signature appears in the Approval Section of the EPA Comprehensive Administrative Review For Grants/Cooperative Agreements & Continuation/Supplemental Awards form.

Other Attachment File(s)

* Mandatory Other Attachment Filename:

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To add more "Other Attachment" attachments, please use the attachment buttons below.

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EPA KEY CONTACTS FORM

OMB Number: 2030-0020
Expiration Date: 06/30/2024

Authorized Representative: *Original awards and amendments will be sent to this individual for review and acceptance, unless otherwise indicated.*

Name:	Prefix:	<input type="text"/>	First Name:	<input type="text" value="Sara"/>	Middle Name:	<input type="text"/>
	Last Name:	<input type="text" value="Kinjo-Hischer"/>			Suffix:	<input type="text"/>
Title:	<input type="text" value="Tribal Administrator"/>					
Complete Address:						
Street1:	<input type="text" value="PO Box 1157"/>					
Street2:	<input type="text"/>					
City:	<input type="text" value="Skagway"/>	State:	<input type="text" value="AK: Alaska"/>			
Zip / Postal Code:	<input type="text" value="99840"/>	Country:	<input type="text" value="USA: UNITED STATES"/>			
Phone Number:	<input type="text" value="9079834068"/>			Fax Number:	<input type="text"/>	
E-mail Address:	<input type="text" value="sara@skagwaytraditional.org"/>					

Payee: *Individual authorized to accept payments.*

Name:	Prefix:	<input type="text"/>	First Name:	<input type="text" value="Sara"/>	Middle Name:	<input type="text"/>
	Last Name:	<input type="text" value="Kinjo-Hischer"/>			Suffix:	<input type="text"/>
Title:	<input type="text" value="Tribal Administrator"/>					
Complete Address:						
Street1:	<input type="text" value="PO Box 1157"/>					
Street2:	<input type="text"/>					
City:	<input type="text" value="Skagway"/>	State:	<input type="text" value="AK: Alaska"/>			
Zip / Postal Code:	<input type="text" value="99840"/>	Country:	<input type="text" value="USA: UNITED STATES"/>			
Phone Number:	<input type="text" value="9079834068"/>			Fax Number:	<input type="text"/>	
E-mail Address:	<input type="text" value="sara@skagwaytraditional.org"/>					

Administrative Contact: *Individual from Sponsored Programs Office to contact concerning administrative matters (i.e., indirect cost rate computation, rebudgeting requests etc).*

Name:	Prefix:	<input type="text"/>	First Name:	<input type="text" value="Sara"/>	Middle Name:	<input type="text"/>
	Last Name:	<input type="text" value="Kinjo-Hischer"/>			Suffix:	<input type="text"/>
Title:	<input type="text" value="Tribal Administrator"/>					
Complete Address:						
Street1:	<input type="text" value="PO Box 1157"/>					
Street2:	<input type="text"/>					
City:	<input type="text" value="Skagway"/>	State:	<input type="text" value="AK: Alaska"/>			
Zip / Postal Code:	<input type="text" value="99840"/>	Country:	<input type="text" value="USA: UNITED STATES"/>			
Phone Number:	<input type="text" value="9079834068"/>			Fax Number:	<input type="text"/>	
E-mail Address:	<input type="text" value="sara@skagwaytraditional.org"/>					

EPA KEY CONTACTS FORM

Project Manager: *Individual responsible for the technical completion of the proposed work.*

Name: **Prefix:** **First Name:** **Middle Name:**

Last Name: **Suffix:**

Title:

Complete Address:

Street1:

Street2:

City:

State:

Zip / Postal Code:

Country:

Phone Number:

Fax Number:

E-mail Address:

BUDGET INFORMATION - Non-Construction Programs

OMB Number: 4040-0006
Expiration Date: 02/28/2022

SECTION A - BUDGET SUMMARY

Grant Program Function or Activity (a)	Catalog of Federal Domestic Assistance Number (b)	Estimated Unobligated Funds		New or Revised Budget		
		Federal (c)	Non-Federal (d)	Federal (e)	Non-Federal (f)	Total (g)
1. EPA Enhanced Air Quality Monitoring for Communities	66.034	\$	\$	397,169.00	\$	397,169.00
2.						
3.						
4.						
5. Totals		\$	\$	397,169.00	\$	397,169.00

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SECTION B - BUDGET CATEGORIES

6. Object Class Categories	GRANT PROGRAM, FUNCTION OR ACTIVITY				Total (5)
	(1)	(2)	(3)	(4)	
	EPA Enhanced Air Quality Monitoring for Communities				
a. Personnel	\$ 44,928.00	\$	\$	\$	\$ 44,928.00
b. Fringe Benefits	10,333.00				10,333.00
c. Travel	0.00				0.00
d. Equipment	105,546.00				105,546.00
e. Supplies	61,675.00				61,675.00
f. Contractual	125,431.00				125,431.00
g. Construction	0.00				0.00
h. Other	13,150.00				13,150.00
i. Total Direct Charges (sum of 6a-6h)	361,063.00				\$ 361,063.00
j. Indirect Charges	36,106.00				\$ 36,106.00
k. TOTALS (sum of 6i and 6j)	\$ 397,169.00	\$	\$	\$	\$ 397,169.00
7. Program Income	\$	\$	\$	\$	\$

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SECTION C - NON-FEDERAL RESOURCES				
(a) Grant Program	(b) Applicant	(c) State	(d) Other Sources	(e) TOTALS
8. EPA Enhanced Air Quality Monitoring for Communities	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00
9.				
10.				
11.				
12. TOTAL (sum of lines 8-11)	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00

SECTION D - FORECASTED CASH NEEDS					
	Total for 1st Year	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter
13. Federal	\$	\$	\$	\$	\$
14. Non-Federal	\$				
15. TOTAL (sum of lines 13 and 14)	\$	\$	\$	\$	\$

SECTION E - BUDGET ESTIMATES OF FEDERAL FUNDS NEEDED FOR BALANCE OF THE PROJECT				
(a) Grant Program	FUTURE FUNDING PERIODS (YEARS)			
	(b) First	(c) Second	(d) Third	(e) Fourth
16. EPA Enhanced Air Quality Monitoring for Communities	\$ 250,537.00	\$ 73,316.00	\$ 73,316.00	\$
17.				
18.				
19.				
20. TOTAL (sum of lines 16 - 19)	\$ 250,537.00	\$ 73,316.00	\$ 73,316.00	\$

SECTION F - OTHER BUDGET INFORMATION	
21. Direct Charges: \$361,063.00	22. Indirect Charges: \$36,106.00
23. Remarks:	

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Application for Federal Assistance SF-424

* 1. Type of Submission:

- ☐ Preapplication
☒ Application
☐ Changed/Corrected Application

* 2. Type of Application:

- ☒ New
☐ Continuation
☐ Revision

* If Revision, select appropriate letter(s):

* Other (Specify):

* 3. Date Received:

03/25/2022

4. Applicant Identifier:

5a. Federal Entity Identifier:

5b. Federal Award Identifier:

State Use Only:

6. Date Received by State:

7. State Application Identifier:

AK

8. APPLICANT INFORMATION:

* a. Legal Name: Skagway Village (DBA Skagway Traditional Council)

* b. Employer/Taxpayer Identification Number (EIN/TIN):

80-0041659

* c. Organizational DUNS:

0957598380000

d. Address:

* Street1:

PO Box 1157

Street2:

* City:

Skagway

County/Parish:

AK

* State:

AK: Alaska

Province:

* Country:

USA: UNITED STATES

* Zip / Postal Code:

99840 - 1121

e. Organizational Unit:

Department Name:

Division Name:

f. Name and contact information of person to be contacted on matters involving this application:

Prefix:

* First Name:

Reuben

Middle Name:

* Last Name:

Cash

Suffix:

Title: Environmental Coordinator

Organizational Affiliation:

Skagway Traditional Council

* Telephone Number: 3602969538

Fax Number:

* Email: reuben@skagwaytraditional.org

Application for Federal Assistance SF-424

* 9. Type of Applicant 1: Select Applicant Type:

I: Indian/Native American Tribal Government (Federally Recognized)

Type of Applicant 2: Select Applicant Type:

Type of Applicant 3: Select Applicant Type:

* Other (specify):

* 10. Name of Federal Agency:

Environmental Protection Agency

11. Catalog of Federal Domestic Assistance Number:

66.034

CFDA Title:

Surveys, Studies, Research, Investigations, Demonstrations, and Special Purpose Activities
Relating to the Clean Air Act

* 12. Funding Opportunity Number:

EPA-OAR-OAQPS-22-01

* Title:

Enhanced Air Quality Monitoring for Communities

13. Competition Identification Number:

Title:

14. Areas Affected by Project (Cities, Counties, States, etc.):

Add Attachment

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* 15. Descriptive Title of Applicant's Project:

Skagway Air Quality Monitoring Network

Attach supporting documents as specified in agency instructions.

Add Attachments

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Application for Federal Assistance SF-424**16. Congressional Districts Of:*** a. Applicant * b. Program/Project

Attach an additional list of Program/Project Congressional Districts if needed.

Add Attachment

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17. Proposed Project:* a. Start Date: * b. End Date: **18. Estimated Funding (\$):**

* a. Federal	<input type="text" value="397,169.00"/>
* b. Applicant	<input type="text" value="0.00"/>
* c. State	<input type="text" value="0.00"/>
* d. Local	<input type="text" value="0.00"/>
* e. Other	<input type="text" value="0.00"/>
* f. Program Income	<input type="text" value="0.00"/>
* g. TOTAL	<input type="text" value="397,169.00"/>

*** 19. Is Application Subject to Review By State Under Executive Order 12372 Process?**

- ☐ a. This application was made available to the State under the Executive Order 12372 Process for review on .
- ☐ b. Program is subject to E.O. 12372 but has not been selected by the State for review.
- ☒ c. Program is not covered by E.O. 12372.

*** 20. Is the Applicant Delinquent On Any Federal Debt? (If "Yes," provide explanation in attachment.)**☐ Yes ☒ No

If "Yes", provide explanation and attach

Add Attachment

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21. *By signing this application, I certify (1) to the statements contained in the list of certifications and (2) that the statements herein are true, complete and accurate to the best of my knowledge. I also provide the required assurances** and agree to comply with any resulting terms if I accept an award. I am aware that any false, fictitious, or fraudulent statements or claims may subject me to criminal, civil, or administrative penalties. (U.S. Code, Title 218, Section 1001)**

☒ ** I AGREE

** The list of certifications and assurances, or an internet site where you may obtain this list, is contained in the announcement or agency specific instructions.

Authorized Representative:

Prefix: * First Name:

Middle Name:

* Last Name:

Suffix:

* Title: * Telephone Number: Fax Number: * Email: * Signature of Authorized Representative: * Date Signed:

Project Narrative File(s)

* **Mandatory Project Narrative File Filename:**

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View Mandatory Project Narrative File

To add more Project Narrative File attachments, please use the attachment buttons below.

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United States Department of the Interior

NATIONAL PARK SERVICE

Air Resources Division
P.O. Box 25287
Denver, CO 80225-0287

TRANSMITTED VIA ELECTRONIC MAIL - NO HARDCOPY TO FOLLOW

N3615 (2350)

March 25, 2022

Reuben Cash
Environmental Coordinator
Skagway Traditional Council
PO Box 1157
Skagway, AK 99840

Dear Mr. Cash:

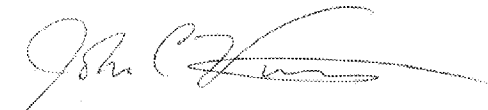
I enthusiastically support your proposal to the EPA's Enhanced Air Quality Monitoring for Communities RFA and offer you assistance from the Air Resources Division (ARD) of the National Park Service (NPS). As you know, the NPS has a responsibility under the Clean Air Act and NPS Organic Act to protect air quality and resources that might be adversely affected by air pollution. As such, your proposed air quality monitoring program and data dissemination to the community will provide vital information to the NPS for addressing regional scale and park unit level air quality issues, as air pollution in Skagway originates from large sources (e.g., cruise ships, railroads) outside of park boundaries.

The proposed work will enable the NPS to better understand the origins and contributions of criteria pollutants from the various sources as well as identify key physical and chemical processes driving air quality issues at Klondike Gold Rush NHP and the greater Skagway community. The multi-pollutant advisory website to be used for displaying real-time air quality data will be an invaluable tool for the entire community. Ultimately, this work will enable Klondike Gold Rush NHP, Skagway Traditional Council, and the Municipality of Skagway to make better planning and management decisions based on sound air quality data.

In order to help support this endeavor, the Air Resources Division of the NPS is pleased to have Dr. Barkley Sive work with you as a collaborator on this timely project.

Good luck with your proposal and please let me know if there is anything I can do to further facilitate this endeavor.

Sincerely,



John C. Vimont
Chief, Research and Monitoring Branch

Section 5 – Quality Assurance Statement

All aspects and procedures of this work will follow the STC's and NPS' QAPPs. In particular, it is worth noting that the NPS' procedures are used by the EPA as part of the CASTNET program and are also detailed in the EPA CASTNET QAPP. While the NPS QAPP specifically addresses the procedures used to operate and certify ozone measurements at NPS-operated sites with EPA-certified analyzers, it also includes methods and procedures for measuring other pollutants of interest using other techniques as described here.

Equipment Procurement: All equipment orders are verified for completeness and any inconsistencies are resolved with the supplier. Prior to installation in the field, equipment components are assembled in the laboratory and tested to ensure proper operation. Instrumentation is calibrated using certified standards. A record of all purchased capital items is kept and maintained in a site-specific equipment inventory database. All purchase, testing, calibration, and inventory procedures are documented in standard operating procedures (SOPs).

Site Selection and Installation: All parties will continue to work together to select appropriate monitoring sites and coordinate the installation of the instrumentation. The sites will be representative of the study area, accessible and secure, well-exposed to flow and available for long-term use.

Network Operations: All routine on-site servicing operations are performed by site operator(s) on a weekly basis. Site operators will receive training on equipment operation, maintenance, and data collection/documentation, operational SOPs, technical instructions, and checklist instructions. We will be collecting data daily and reviewing the operational status of the network daily, including data quality assurance indicators, providing site operator technical support as needed, initiate corrective actions to address any identified inconsistency, and perform and track any required remedial maintenance on all program monitoring instrumentation and support equipment.

Data Management and Reporting: A custom designed data collection system automatically retrieves air quality and meteorological data and diagnostics from the monitoring equipment from the cloud platforms every hour. Data analysts independently review the incoming data to verify proper operation of the monitoring systems. Suspected instrument malfunctions are investigated immediately and corrective actions are implemented. All network data will be managed in an Oracle database, which includes monitoring site metadata, raw data, validated data, associated validity codes, quality assurance references, and other important data. Reports and other data deliverables are generated from this database. All raw and validated data are archived in the database and on CD. All validated data are also uploaded monthly and will be made available on our web page. Raw data are uploaded hourly on the advisory page for near real-time display.

Quality Assurance and Control: QA/QC procedures are used to assess the various components of the program and their compliance with the QAPPs and EPA QA documents. These project assessments include Quality Assurance/Quality Control documentation that includes, but is not limited to the Quality Management Plan (QMP), Quality Assurance Project Plan (QAPP), Standard Operating Procedures (SOPs), Technical Instructions (TIs) and Checklist Instructions (CIs). Quality Control Field Operations Assessments will be performed by the operator at every site. Site operators visit the station once each week and complete digital check sheet as part of the site log. If an operator notices a problem, they immediately notify the designated person such the problem is addressed and recorded in the electronic log. Corrective actions are instituted in response to any noted problem. Supplemental training for the operators will occur semiannually.

Quality Control Data Management Assessments: Monthly data reviews will serve as an assessment of data management and validation procedures. During the data reviews, summaries of all gaseous and particulate data for each site, as well as weather summaries for the month will be reviewed by the team.

Program Management and Administration: Overall program coordination is provided by the program manager who communicates directly with the partners and other associated personnel. Monthly meetings in conjunction with the data review establish and define near and long-term project objectives and actions. Day-to-day coordination of overall project management and reporting requirements are performed by the program manager in conjunction with the partners. Monthly data reports along with required program reports will be provided by the program manager. Rueben Cash will be the program manager and ultimately be responsible for the final QA and QC aspects of the project. He will work closely with the partners, particularly with the NPS, to ensure all aspects of the project are being executed as planned.

For the operation of this network, we will follow the NPS' data quality objectives (DQOs) and data quality indicators (DQIs) for determining the quality and acceptability of the data as detailed in their QAPP. For valid data completeness, the data recovery objective is 75% per calendar quarter for all parameters. Achieving a 75% collection threshold allows users to be confident when using and comparing this data. The flowchart shown in **Figure X** details the NPS' data validation process, which will be implemented in this program. The NPS DQI's provide the thresholds on precision, accuracy, bias, detection limits, representativeness, completeness and comparability are all detailed in the NPS QAPP.

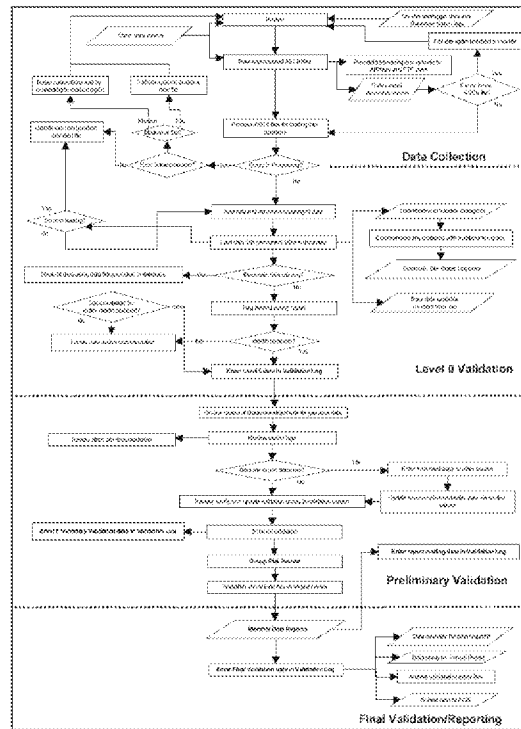


Figure X. The NPS Gaseous Pollutant Monitoring Program data validation flowchart, which will be employed for this program.



United States Department of the Interior

NATIONAL PARK SERVICE

Klondike Gold Rush National Historical Park
P.O. Box 517
Skagway, Alaska 99840



IN REPLY REFER TO:

March 24, 2022

Reuben Cash
Environmental Coordinator
Skagway Traditional Council
PO Box 1157
Skagway, AK 99840

Dear Mr. Cash:

Klondike Gold Rush National Historical Park (KLGO) and the Skagway Traditional Council (STC) are integral parts of the Skagway community. The park's mission is to protect cultural and natural resources and to provide for public enjoyment and exploration of resources in a safe, healthy environment. Air pollution can damage historical structures, accelerate degradation of historical artifacts, alter natural ecosystems, and aggravate the respiratory health of people visiting, working in the park, and living in the community.

KLGO has undertaken, sponsored, and collaborated on investigations over the past 30 years designed to describe and quantify air quality in the vicinity of the park. Our long-term monitoring program provides an in-depth look at air quality every 10 years. However, our studies and long-term monitoring program cannot provide real-time air quality information, especially as it relates to public health.

For these reasons, KLGO fully supports the STC's effort to coordinate and consolidate air quality monitoring for the community of Skagway through the EPA's Enhanced Air Quality Monitoring for Communities RFA. A key benefit to the Park and the community will be the public portal for real-time information and advisories. By combining the resources of STC, KLGO, the Municipality of Skagway, and the support of the National Park Service Air Resources Division, the proposed air quality monitoring program will achieve more than any one participant could accomplish alone. Working together, we can generate the air quality data needed to protect resources and provide the community with an easily accessed web tool for real-time public health information.

Respectfully,

Becky Shaffer
Acting Superintendent

CEF:lc

Reuben Thomas Cash

Ex. 6 Personal Privacy (PP)

Summary of Skills:

- ESRI ArcGIS software
- Microsoft Office
- R programming language
- Adobe software
- Open source (QGIS, GIMP)
- Garmin Basecamp
- WQ data collection
- WQ lab analysis
- Adult/juvenile salmonid ID
- PNW plant ID
- USACE wetland delineation
- TFW protocol
- Funding appropriation
- Public speaking
- Scientific writing
- Staff management
- Wilderness first aid/CPR
- Marine Navigation

Work Experience:

Environmental Coordinator

June 2019 – present

Skagway Traditional Council

Skagway, AK 99840

- Manage federal grants including application, reporting, and execution of commitments.
- Organize and deliver public outreach events related to Tribal environmental concerns.
- Collect environmental data on air quality, water quality, and subsistence resources.
- Develop and deliver Salmon in the Classroom curriculum for K-5 students.
- Communicate with local, state, and federal partners on multiple projects.

GIS intern

January 2019 – June 2019

Skagit County Natural Resources Division

Mount Vernon, WA 98283

- Develop LiDAR-based watershed model of Day Creek, WA to estimate channel migration and land-use-land-cover change over a 100-year period.
- Create map products and literature discussing geology, land-use, and fish ecology of the Day Creek watershed.

Fish Habitat/GIS Intern

July 2016 – January 2018

Skagit Fisheries Enhancement Group

Mount Vernon, WA 98283

- Collect water quality, hydrology and bathymetry data for hydrologic analysis of a side-channel restoration project.
- Conduct fish barrier analysis for the Family Forest Fish Program.
- Participate in snorkel surveys to locate submerged culverts suspected to be barriers to fish passage, and count and identify juvenile salmonids in Marblemount, WA.
- Construct GIS databases and maps for multiple projects including a knotweed landowner outreach database and maps identifying inadequate riparian cover on 303d listed streams.

SARA KINJO-HISCHER

TRIBAL ADMINISTRATOR

SUMMARY

Administrator with over 14 years of experience in federal and state grant writing and reporting. Combines deep knowledge and experience in management, team building, and membership services. Continually known for organizational skills and diligence with results in documented records and increased financial stability.

SKILLS & EXPERTISE

Program Management • Federal and State Grant writing and reporting • Branding / Rebranding • Event Management • Budgeting and Financial Tracking • Community Relations • Social Media Marketing • Policy review • Personnel Management • Proficient in all Microsoft Office products, QuickBooks, Google Office Suites • Familiar with Networking, web building and IP routing

LANGUAGE

English (Professional) • Japanese (Native) • Spanish (Beginner) • Okinawan (Beginner) • Tlingit (Beginner)

EXPERIENCE

SKAGWAY TRADITIONAL COUNCIL | Skagway, AK

Tribal Administrator

2014 – Present

Rebuilt a 5--person tribal office to execute strategic member initiatives across event coordination, branding, public relations, and business development. Manages budgets, federal and state reports, and human resources.

- Managed 8 Federal Agreements and Grants including 8 programs ranging from welfare to economic development
- Oversaw social media initiatives and rebranding that elevated the tribe's profile as a trustworthy organization.
- Partnered with community organizations including Schools, Municipalities, National Parks and other non-profits.
- Generated over \$500k in unrestricted funds by developing and reworking accounting strategies from the ground up and managed up to 4 million in federal funds.
- Represent the Tribe all press releases, interviews, meetings, and tribal communications & collaboration initiatives.
- Rebuilt human resources and benefits to entice capable, skilled, and energetic staff
- Recruited and trained new staff
- Responsible for maintenance of the 2 facility and lots owned by the tribe

SJC MANAGMENT | Skagway, AK

Grant Coordinator

2009 – 2014

Hired as a contractor for the Municipality of Skagway to manage Local Emergency Planning Committee Grant provided by the State of Alaska. Coordinated and participated in outreach events related to emergency planning.

- Spearheaded and created the Municipality Emergency Response Manual
- Organized training events for the Municipality staff and emergency responders
- Ensured financial and program reports were complete and submitted on time.

CONSULAR OFFICE OF JAPAN IN ANCHORAGE | Anchorage, AK

Consular Assistant

2007 – 2008

Worked closely under the accounting consul officer with spreadsheet formations, translations, staff orientations and more.

- Translated and prepared official Japanese government documents

- Facilitated and translated meetings between the Consular Office and US government officials
- Assisted in the management of the Consular Office's financial accounts
- Coordinated official Consulate events, including managing guest lists, acquiring location, and organizing transportation for VIPs.
- Assisted in the orientation and transfer of Japanese Consul to the Anchorage area
- Coordinated official trips for Japanese diplomats to various locations in Alaska

UNIVERSITY OF ALASKA ANCHORAGE | Anchorage, AK

Chemistry tutor/grader/research assistant

2001 – 2006

Worked closely under the accounting consul officer with spreadsheet formations, translations, staff orientations and more.

- Answered questions raised by entry level chemistry students
- Graded tests and laboratory reports for chemistry professor
- Analyzed data regarding student retention and pedagogy method for chemistry professor

ICSC OKINAWA (CLSOED) | Okinawa, Japan

Office Manager/Bookkeeper

1998 – 2001

Worked closely under the accounting consul officer with spreadsheet formations, translations, staff orientations and more.

- Handled bookkeeping for accounts payable and accounts receivable
- Managed over 200 military customers' monthly accounts for internet service
- Helped install and fix computers when help was needed
- Translated documents and assisted with interpretation with local Japanese companies when needed.

EDUCATION

UNIVERSITY OF ALASKA ANCHORAGE – COLLEGE OF ARTS AND SCIENCE | Skagway, AK

2008

Bachelor of Science, Natural Science with Minor in Biology and Psychology (Cum Laude)

Honors & Activities: Dean's List (2 times) / Golden Key International Honor's Society

ACHIEVEMENTS & CERTIFICATES

- Received IDeA Network of Biomedical Research Excellence (INBRE) research grant to support the study of "Thyroid Hormone Receptor Expression in JEG-3 Carcinoma Cells in the Presence of Environmental Toxins"
- Japanese Accounting Certificate
- FEMA ICS training 100, 700, 300, 800
- Strategic Grant Development training
- Project Management and Development Training
- Basic Accounting Principles
- Mental Health First Aid USA

REFERENCE

Provided upon request

Ex. 6 Personal Privacy (PP)

BARKLEY C. SIVE

Air Resources Division
National Park Service
Lakewood, CO 80235

Ex. 6 Personal Privacy (PP) FAX: (303) 969-2822

Ex. 6 Personal Privacy (PP)

Professional Preparation

- B.S. in Chemistry, University of California, Irvine, 1993
- M.S. in Chemistry, University of California, Irvine, 1995
- Ph.D. in Analytical/Atmospheric Chemistry, University of California, Irvine, 1998
- Postdoctoral Research Associate, Atmospheric Chemistry, Laboratory for Atmospheric and Space Physics, University of Colorado, Boulder 12/98-4/00.

Appointments

Chemist, Program Manager	8/25/13-present
Air Resources Division, National Park Service	
Assistant Professor	8/22/11-8/15/13
Department of Chemistry, Appalachian State University	
Research Associate Professor	5/31/07-8/19/11
Climate Change Research Center, EOS Institute, University of New Hampshire	
Research Assistant Professor	8/26/02-5/31/07
Climate Change Research Center, EOS Institute, University of New Hampshire	
Assistant Professor	6/25/00-6/30/02
Department of Chemistry, Central Michigan University	

Five Recent and Relevant Publications

- Benedict, K. B., Y. Zhou, B. C. Sive, A. J. Prenni, K. A. Gebhart, E. V. Fischer, A. Evanoski-Cole, A. P. Sullivan, S. Callahan, B. A. Schichtel, H. Mao, Y. Zhou, and J. L. Collett Jr. (2019), Volatile Organic Compounds and Ozone in Rocky Mountain National Park during FRAPPÉ, *Atmos. Chem. Phys.*, 19, 499–521, <https://doi.org/10.5194/acp-19-499-2019>.
- Walker, J. T., G. Beachley, L. Zhang, K. B. Benedict, B. C. Sive, D. B. Schwede (2020), A review of measurements of air-surface exchange of reactive nitrogen in natural ecosystems across North America, *Science of the Total Environment* 698 (2020) 133975, <https://doi.org/10.1016/j.scitotenv.2019.133975>.
- Neufeld, H. S., A. Sullins, B. C. Sive, A. S. Lefohn (2019), Spatial and temporal patterns of ozone at Great Smoky Mountains National Park and implications for plant responses, *Atmospheric Environment: X* 2, 100023, <https://doi.org/10.1016/j.aecoa.2019.100023>.
- Sive, B. C., Y. Zhou, D. Troop, Y. Li, W. Little, O. W. Wingenter, R. S. Russo, R. K. Varner and R. W. Talbot (2005), Development of a Cryogen-Free Concentration System for Measurements of Volatile Organic Compounds, *Anal. Chem.*, 77 (21), 6989-6998, doi:10.1021/ac0506231.
- Sive, B. C., R. K. Varner, H. Mao, D. R. Blake, O. W. Wingenter and R. Talbot (2007), A Large Terrestrial Sources of Methyl Iodide, *Geophys. Res. Lett.*, 34, L17808, doi:10.1029/2007GL030528.

Five Additional Publications

- Benedict, K. B., A. J. Prenni, M. M.H. El-Sayed, A. Hecobian, Y. Zhou, K. A. Gebhart, B. C. Sive, B. A. Schichtel, J. L. Collett, 2020, Volatile organic compounds and ozone at four national parks in the southwestern United States, *Atmos. Env.*, 239, 117783, <https://doi.org/10.1016/j.atmosenv.2020.117783>.
- Benedict K. B., A. J. Prenni, A. P. Sullivan, A. R. Evanoski-Cole, E. V. Fischer, S. Callahan, B. C. Sive, Y. Zhou, B. A. Schichtel, J. L. Collett Jr (2018), Impact of Front Range sources on reactive nitrogen concentrations and deposition in Rocky Mountain National Park, *PeerJ*, 6:e4759, <https://doi.org/10.7717/peerj.4759>.
- Abeleira, A., B. Sive, R. F. Swarthout, E. V. Fischer, Y. Zhou and D. K. Farmer (2018), Seasonality, sources and sinks of C1–C5 alkyl nitrates in the Colorado Front Range, *Elem Sci Anth*, 6: 45. DOI: <https://doi.org/10.1525/elementa.299>.

Permar, W., Q. Wang, V. Selimovic, C. Wielgasz, R. J. Yokelson, R. S. Hornbrook, A. J. Hills, E. C. Apel, I-T. Ku, Y. Zhou, B. C. Sive, A. P. Sullivan, J. L. Collett Jr, T. L. Campos, B. B. Palm, Q. Peng, J. A. Thornton, L. A. Garofalo, D. K. Farmer, S. M. Kreidenweis, E. J. T. Levin, P. J. DeMott, F. Flocke, E. V. Fischer, L. Hu., 2021, Emissions of trace organic gases from western U.S. wildfires based on WE-CAN aircraft measurements, *J. Geophys. Res.*, 126, e2020JD033838.

Lindaas, J., I. B. Pollack, L. A. Garofalo, M. A. Pothier, D. K. Farmer, S. M. Kreidenweis, T. L. Campos, F. Flocke, A. J. Weinheimer, D. D. Montzka, G. S. Tyndall, B. B. Palm, Q. Peng, J. A. Thornton, W. Permar, C. Wielgasz, L. Hu, R. D. Ottmar, J. C. Restaino, A. T. Hudak, I-T. Ku, Y. Zhou, B. C. Sive, A. Sullivan, J. L. Collett, Jr. and E. V. Fischer, 2021, Emissions of Reactive Nitrogen from Western U.S. Wildfires during Summer 2018, *J. Geophys. Res.*, 126, e2020JD032657.

Synergistic Activities

- Invited stakeholder reviewer for the five-year science review of NOAA's Air Resources Laboratory (ARL), 2022.
- Methane Interagency Team, NPS representative for developing and finalizing the protocols to assess methane emissions in support of plugging orphaned oil and gas wells as part of the Infrastructure Investment and Jobs Act, 2022.
- Guest Editor of Special Issue "Atmospheric Volatile Organic Compounds (VOCs)" in *Atmosphere* (ISSN 2073-4433) as part of the "Air Quality" section. A total of 12 papers were published in this Special Issue (submissions closed 31 March 2020).
- Mercury in the Environment and Links to Deposition (MELD) Mercury Measurement Evaluation Team (MMET) Member – tasked with reviewing measurement approaches for Gaseous Elemental Mercury and Reactive Mercury in the atmosphere for NADP (2019-present).
- Intermountain West Data Warehouse (IWDW) Western Air Quality Study (WAQS) Monitoring Network Assessment agency representative, 2017.
- NAS Future of Atmospheric Chemistry Research, Presenter, University of California, Irvine, November 13-14, 2017, Irvine, CA
- Technical Advisory Panel Member and Editor for the Colorado State University 2016 Final Report for the North Front Range Oil and Gas Air Pollutant Emission and Dispersion Study Front Range Study, Colorado State University (2015-2016).
- National Park Service Wintertime Air Quality in Yellowstone National Park Advisory and Future Planning Meeting (Invited Participant), Lakewood, CO, May 17, 2010.
- Atmospheric Chemistry Colloquium for Emerging Senior Scientists V (ACCESS V), University of Rhode Island, Narragansett, RI, June 10-12, 1999.
- Network of Young Scientists in the Field of Atmospheric Chemistry Workshop on Volatile Organic Compounds in the Troposphere, Julich, Germany, Oct. 27-31, 1997.

Recent Collaborators

D. R. Blake, I. J. Simpson, *UCI*; E. Apel, *NCAR*; E. Atlas, *University of Miami*; H. Mao, *SUNY ESF*; K. Benedict, *LANL*; Y. Zhou, E. V. Fischer, I. Pollack, A. P. Sullivan, D. Pan, J. L. Collett, D. Farmer, A. Abeleira, *CSU*; H. Neufeld, R. F. Swarthout, *ASU*; J. T. Walker, G. Beachley, T. Sharac, M. Puchalski, I. George, *EPA*; K. Haase, *USGS*; W. Luke, *NOAA*.

Graduate and Postdoctoral Advisors

F. Sherwood Rowland – Graduate Advisor, Dept. of Chemistry, Univ. of CA, Irvine.

Linnea Avallone – Postdoctoral Advisor, LASP, University of Colorado, Boulder.

Thesis and Research Students

Y. Zhou (Ph.D., 7/06), M. White (Ph.D. 7/08), R. Russo (Ph.D. 5/09), C. Nielsen (M.S. 5/09), L. Conway (M.S. 5/09), J. Ambrose (Ph.D. 5/10), K. Haase (Ph.D. 8/10), A. Hart (M.S., 5/11); B. Swarthout – *Grad Student*, *UNH*; J. Ambrose, R. Luciano, M. Guay, T. Bellanger, K. Allain, A. Hart, M. Stanton, E. Jordan, B. Greer, M. Kass – *Senior Thesis*, *UNH*; R. Carroll, P. Kyriacopoulos, J. Humphries – Undergraduate Research, *UNH*; J. Silva-McCormick – M.S., *CMU*; I. O'Boyle, M. Bennett – *Senior Thesis*, *CMU*; P. Lutz, J. Morse, L. Schoenborn, C. Daniels – Undergraduate Research, *CMU*.

March 2022

Professional Résumé
C. E. Furbish, Biologist
Klondike Gold Rush National Historical Park

EDUCATION

Masters of Science - 1990, University of Maryland. Marine, Estuarine and Environmental Science.
major: ecology, minor: statistics. Master's Thesis and Journal publication.

Bachelors of Science - 1984, Cornell University. Agriculture and Life Sciences.
major: phytopathology, minor: chemistry. Honor's Thesis and University publication.

WORK EXPERIENCE

Natural Resource Management Specialist, 1999-2001
Klondike Gold Rush National Historical Park
Full responsibility for the natural resources program; pilot air quality investigation; member of the NPS ARO Air Quality Workgroup.

Natural Resource Management Specialist, 1997-1999
Timucuan Ecological and Historic Preserve
Full responsibility for the natural resources program; investigation of air quality and atmospheric resources and issues; development of a 5-year Natural Resources Management Plan including air quality assessment and recommendations.

Botanist, 1995-1999
Denali National Park & Preserve
Vegetation and related resources program manager; investigator of dust/particulates impacts upon road-side vegetation; member of Denali Long-Term Monitoring Workgroup including identification of air quality related environmental stressors and recommendations for long-term monitoring parameters.

Natural Resource Specialist, 1992-1995
Assateague Island National Seashore
Vegetation, water and atmospheric resources program manager; assessed current conditions and provided recommendations for long-term monitoring.

RELEVANT PUBLICATIONS

Furbish, C. E., Linda Geiser and Claudia Rector. 2000. "Lichen-Air Quality Pilot Study for Klondike Gold Rush National Historical Park and the City of Skagway, Alaska" Klondike Gold Rush National Historical Park, Natural Resources Program, 47pp.

Furbish, C. E. 1996 Furbish, C. E. "Effects of Road Dust and Palliatives on Vegetation and Soils, 1994-1995, Denali National Park" Department of the Interior, Denali National Park & Preserve, Technical Report, 23pp.

COLTON BELISLE

Skagway, AK 99840 ♦ (907) 612-0203 ♦ coltonbelisle@gmail.com

PROFESSIONAL SUMMARY

Former CSR for Alaska Seaplanes, I am proficient in handling complex customer issues and promoting positive experiences. Efficiency-driven and organized with team-oriented mentality and dedication to satisfactory task completion. Skilled in coordinating documentation, handling payments, and being able to lift heavy loads.

SKILLS

I have the ability to learn things quickly, and get a job done efficiently.

I have been exposed to various computer programs in the past and am confident I can learn anything placed in front of me.

WORK HISTORY

Environmental Tech, 06/2020 to 10/2020

Environmental Assistant 05/21 to current

Skagway Traditional Council

- Monitored, mapped, and pulled populations of invasive species such as mountain ash trees, reed canary grass, and white sweet clover in town
- Collected water samples weekly to filter, and analyze under a microscope to watch for harmful algal blooms
- Assisted in Salmon in the Classroom by helping in lessons and putting together videos and activities for students
- My first year as a tech I helped on the weekends putting up air monitoring stations, while for the summer of 2021, I took the project on mostly by myself Monday through Friday, setting up and taking down the stations, and offloading data
- I've been learning video editing using DaVinci Resolve to put together videos for the department and other media programs such as Powerpoint for community outreach

EDUCATION

University Alaska Fairbanks - Fairbanks, AK. Aug 17-May 18

- Coursework in Anthropology and History

Skagway High School Diploma: 05/2017

Manifest for Grant Application # GRANT13580604

Grant Application XML file (total 1):

1. GrantApplication.xml. (size 26744 bytes)

Forms Included in Zip File(total 6):

1. Form ProjectNarrativeAttachments_1_2-V1.2.pdf (size 16018 bytes)

2. Form SF424_3_0-V3.0.pdf (size 24081 bytes)

3. Form SF424A-V1.0.pdf (size 22836 bytes)

4. Form EPA4700_4_3_0-V3.0.pdf (size 22727 bytes)

5. Form OtherNarrativeAttachments_1_2-V1.2.pdf (size 15907 bytes)

6. Form EPA_KeyContacts_2_0-V2.0.pdf (size 37296 bytes)

Attachments Included in Zip File (total 10):

1. OtherNarrativeAttachments_1_2 OtherNarrativeAttachments_1_2-Attachments-1243-Resume_Barkley_Sive.pdf application/pdf (size 95830 bytes)

2. OtherNarrativeAttachments_1_2 OtherNarrativeAttachments_1_2-Attachments-1235-Quality Assurance Statement.pdf application/pdf (size 236299 bytes)

3. OtherNarrativeAttachments_1_2 OtherNarrativeAttachments_1_2-Attachments-1240-Resume_Reuben_Cash.pdf application/pdf (size 132254 bytes)

4. OtherNarrativeAttachments_1_2 OtherNarrativeAttachments_1_2-Attachments-1239-Resume_Sara_Kinjo-Hischer.pdf application/pdf (size 201095 bytes)

5. OtherNarrativeAttachments_1_2 OtherNarrativeAttachments_1_2-Attachments-1242-Resume_Elaine_Furbish.pdf application/pdf (size 86030 bytes)

6. OtherNarrativeAttachments_1_2 OtherNarrativeAttachments_1_2-Attachments-1241-Resume_Colton_Belisle.pdf application/pdf (size 78694 bytes)

7. OtherNarrativeAttachments_1_2 OtherNarrativeAttachments_1_2-Attachments-1236-Partnership_Letter_ARD.pdf application/pdf (size 105017 bytes)

8. OtherNarrativeAttachments_1_2 OtherNarrativeAttachments_1_2-Attachments-1238-Partnership_Letter_MOS.pdf application/pdf (size 124122 bytes)

9. OtherNarrativeAttachments_1_2 OtherNarrativeAttachments_1_2-Attachments-1237-Partnership_Letter_KLGO.pdf application/pdf (size 30188 bytes)

10. ProjectNarrativeAttachments_1_2 ProjectNarrativeAttachments_1_2-Attachments-1234-STC EPA AQ Project Narrative FINAL.pdf application/pdf (size 487859 bytes)



Municipality of Skagway

GATEWAY TO THE KLONDIKE

P.O. BOX 415 SKAGWAY, ALASKA 99840

(PHONE) 907-983-2297 – Fax 907-983-2151

WWW.SKAGWAY.ORG

March 22, 2022

Skagway Traditional Council
P.O. Box 1157
Skagway, AK 99840

Dear Skagway Traditional Council,

The Municipality of Skagway (MOS) supports Skagway Traditional Council's (STC's) EPA Enhanced Air Quality Monitoring for Communities Grant application. Skagway community members have expressed concerns over air quality issues and for this reason, we feel it would be greatly beneficial to our community for STC to build an air quality monitoring and warning system.

MOS currently has a small network of PurpleAir monitors that could integrate seamlessly into STC's proposed sensor array. In partnership with STC and the National Park Service (NPS), MOS will contribute the use of these PurpleAir monitors for STC's proposed monitoring and warning system.

We look forward to working with STC and NPS in this endeavor, and in future efforts, to address air quality issues in Skagway.

Sincerely,

Brad Ryan
Borough Manager